# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 2 | "2003168453" | JPO; DERWENT | OR | ON | 2007/12/17 10:13 |
| S2 | 3725 | 429/25,34.ccls. | US-PGPUB; USPAT | OR | ON | 2007/12/17 14:59 |
| S3 | 11169 | 429/25,34.ccls. or H01M008$4 | US-PGPUB; USPAT | OR | ON | 2007/12/17 10:34 |
| S4 | 3725 | S3 and (purg$3 or evacuat$3 or stop$3 or (shut$3 adj2 (down or off))) | US-PGPUB; USPAT | OR | ON | 2007/12/17 15:00 |
| S5 | 727 | S4 and (pressure near5 (gaug$3 or meter$3 or sens$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 13:16 |
| S6 | 563 | S5 and ((control$3 or computer or CPU) with pressur$3) | US-PGPUB; USPAT | OR | ON | 2007/12/17 13:16 |
| S7 | 62 | S6 and ((pressur$3 near5 (gaug$3 or meter$3 or sens$3)) with (inlet with outlet)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 13:16 |
| S8 | 55 | S7 and (pressur$3 with (difference or differential or variation or change)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 13:17 |
| S9 | 48 | S7 and (pressur$3 near5 (difference or differential or variation or change)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 12:47 |
| S10 | 976966 | (purg$3 or evacuat$3 or stop$3 or (shut$3 adj2 (down or off))) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:15 |
| S11 | 9756 | S10 and (pressure near5 (gaug$3 or meter$3 or sens$3)) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:16 |
| S12 | 4372 | S11 and ((control$3 or computer or CPU) with pressur$3) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:16 |
| S13 | 106 | S12 and ((pressur$3 near5 (gaug$3 or meter$3 or sens$3)) with (inlet with outlet)) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:23 |
| S14 | 40 | S13 and (pressur$3 with (difference or differential or variation or change)) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:17 |
| S15 | 66 | S13 not S14 | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:23 |
| S16 | 0 | S15 and ((fuel or electrochemical) adj2 cell) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:24 |
| S17 | 58 | S12 and ((fuel or electrochemical) adj2 cell) | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:24 |
| S18 | 57 | S17 not S14 | EPO; JPO; DERWENT | OR | ON | 2007/12/17 13:24 |

| S19 | 16141 | 429/1-46.ccls. or H01M008$4 | US-PGPUB; USPAT | OR | ON | 2007/12/17 14:59 |
|-----|-------|------------------------------|-----------------|----|----|-------------------|
| S20 | 11169 | 429/25,34.ccls. or H01M008$4 | US-PGPUB; USPAT | OR | ON | 2007/12/17 15:01 |
| S21 | 14 | S20 and (((purg$3 or evacuat$3) near3 pressure) with (differential or chang$3 or gradient)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 15:07 |
| S22 | 40 | S20 and ((purg$3 or evacuat$3) with (pressure near3 (differential or chang$3 or gradient))) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:12 |
| S23 | 26 | S22 not S21 | US-PGPUB; USPAT | OR | ON | 2007/12/17 15:07 |
| S24 | 23727 | pressure with (purg$4) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:13 |
| S25 | 308106 | pressure with (operation or run$4) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:13 |
| S26 | 35136 | fuel adj cell | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:13 |
| S27 | 206576 | pressure near3 (differential or differ$4) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:14 |
| S28 | 593 | S24 and S25 and S26 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:14 |
| S29 | 3584 | S25 and S24 and S27 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:16 |
| S30 | 401 | S25 and S24 and S27 and S26 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:16 |
| S31 | 806 | ((S25 or S24) same S27) and S26 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:47 |
| S32 | 138 | (S24 same S27) and S26 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:48 |
| S33 | 70 | S30 and S32 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:51 |
| S34 | 1342 | ((pressure near3 (differ$4 or differential)) with (purge or purging)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:52 |
| S35 | 7027 | ((pressure near3 (differ$4 or differential)) with (normal or standard)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:52 |
| S36 | 11079 | ((pressure near3 (differ$4 or differential)) with (anode or cathode or fuel or oxidant or electrode)) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:53 |
| S37 | 35 | S34 and S35 and S36 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:55 |

| S38 | 7 | S37 and (fuel adj2 cell) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:55 |
|-----|------|-------------------------|------------------|-----|-----|------------------|
| S39 | 324 | S34 and S36 | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:55 |
| S40 | 45 | S39 and (fuel adj2 cell) | US-PGPUB; USPAT | OR | ON | 2007/12/17 16:55 |
| S41 | 38 | S40 not S38 | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:13 |
| S42 | 3 | "6663990" | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:13 |
| S43 | 29 | (US-20050175872-$ or US-20060051632-$ or US-20070218327-$ or US-20070207367-$ or US-20040247962-$ or US-20040038098-$ or US-20020177022-$ or US-20070243426-$ or US-20040081864-$ or US-20030134166-$ or US-20030148167-$ or US-20020146602-$ or US-20070077472-$ or US-20050191541-$ or US-20040137285-$ or US-20060141310-$ or US-20050164051-$ or US-20050142399-$ or US-20040142217-$ or US-20040062959-$ or US-20060008689-$).did. or (US-5340663-$ or US-7282285-$ or US-5059494-$).did. or (JP-2007149496-$ or JP-10281914-$).did. or (EP-223684-$ or DE-3406988-$ or EP-107940-$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 08:15 |
| S44 | 15 | S43 and ((anode or cathode or electrode) with (differential or differ$4)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 08:16 |
| S45 | 11 | S43 and ((anode or cathode or electrode) near4 (differential or differ$4)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 08:16 |
| S46 | 93267 | ((anode or cathode or electrode) near4 (differential or differ$4)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:18 |

# EAST Search History

| S47 | 75 | ((anode or cathode or electrode) near4 (differential or differ$4)) with (purg$3 or (shut adj2 (down or off))) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:18 |
|-----|------|---|---|---|---|---|
| S48 | 488 | ((anode or cathode or electrode or fuel or oxidant) near4 (differential or differ$4)) with (purg$3 or (shut adj2 (down or off))) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:26 |
| S49 | 1864 | (((anode or cathode or electrode or fuel or oxidant) near4 (differential or differ$4)) with (normal$2 or regular)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:26 |
| S50 | 21 | S48 and S49 | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:19 |
| S51 | 9157 | (pressure near4 (differential or differ$4)) with (normal$2 or regular) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:25 |
| S52 | 384 | ((anode or cathode or electrode or fuel or oxidant) with (pressure near4 (differential or differ$4))) with (purg$3 or (shut adj2 (down or off))) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:36 |
| S53 | 452 | (((anode or cathode or electrode or fuel or oxidant) with (pressure near4 (differential or differ$4))) with (normal$2 or regular)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:36 |
| S54 | 39 | S52 and S53 | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:27 |
| S55 | 30 | S54 not S50 | US-PGPUB; USPAT | OR | ON | 2007/12/18 08:28 |
| S56 | 175 | ((anode or cathode or electrode or fuel or oxidant) with (pressure near4 (differential or differ$4))) with (purg$3 or (shut adj2 (down or off))) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 08:37 |
| S57 | 84 | (((anode or cathode or electrode or fuel or oxidant) with (pressure near4 (differential or differ$4))) with (normal$2 or regular)) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 08:36 |
| S59 | 2 | (S56 and S57) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 08:37 |
| S60 | 255 | (S56 or S57) not S58 | EPO; JPO; DERWENT | OR | ON | 2007/12/18 08:37 |
| S61 | 58 | S60 and (((fuel or electrochemical) adj2 cell) or H01M008$4) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 08:38 |
| S62 | 1 | 2004-579256.NRAN. | DERWENT | OR | ON | 2007/12/18 09:50 |

# EAST Search History

| S63 | 1 | "20040137285" | US-PGPUB; USPAT | OR | ON | 2007/12/18 09:59 |
|-----|---|---------------|-----------------|-----|-----|-------------------|
| S64 | 1 | "20050277010" | US-PGPUB; USPAT | OR | ON | 2007/12/18 09:59 |
| S65 | 1 | 2005-522282.NRAN. | DERWENT | OR | ON | 2007/12/18 10:00 |
| S66 | 16 | (JP-2006221970-$ or JP-2005267898-$ or JP-2002373682-$ or JP-04004571-$ or JP-01081177-$ or JP-01076679-$ or JP-62237674-$ or JP-04282567-$).did. or (JP-2005267898-$ or WO-2005071781-$ or WO-2005062148-$ or JP-2005122920-$ or US-20040137285-$ or DE-10065458-$ or JP-05266907-$ or JP-04324252-$).did. | JPO; DERWENT | OR | ON | 2007/12/18 10:54 |
| S67 | 6 | S66 and ((cathode or anode or electrode or fuel or oxidant) and (bigger or greater or more or higher or less or lower or smaller)) | JPO; DERWENT | OR | ON | 2007/12/18 10:30 |
| S68 | 15 | S66 and ((cathode or anode or electrode or fuel or oxidant) near4 (pressure)) | JPO; DERWENT | OR | ON | 2007/12/18 10:16 |

| S69 | 29 | (US-20050175872-$ or US-20060051632-$ or US-20070218327-$ or US-20070207367-$ or US-20040247962-$ or US-20040038098-$ or US-20020177022-$ or US-20070243426-$ or US-20040081864-$ or US-20030134166-$ or US-20030148167-$ or US-20020146602-$ or US-20070077472-$ or US-20050191541-$ or US-20040137285-$ or US-20060141310-$ or US-20050164051-$ or US-20050142399-$ or US-20040142217-$ or US-20040062959-$ or US-20060008689-$).did. or (US-5340663-$ or US-7282285-$ or US-5059494-$).did. or (JP-2007149496-$ or JP-10281914-$).did. or (EP-223684-$ or DE-3406988-$ or EP-107940-$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 10:21 |
| S70 | 24 | S69 and ((cathode or anode or electrode or fuel or oxidant) near4 (pressure)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 10:21 |
| S71 | 17 | (US-20040142217-$ or US-20070218327-$ or US-20070077472-$ or US-20050191541-$ or US-20040137285-$ or US-20060141310-$ or US-20050175872-$ or US-20060099470-$ or US-20040038098-$ or US-20040115497-$ or US-20030012989-$ or US-20010049037-$ or US-20010014415-$ or US-20050142399-$).did. or (US-7282285-$ or US-5059494-$ or US-5340663-$).did. | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:30 |
| S72 | 16 | S71 and (((differ$4 or differential) near4 (pressure)) with purg$3) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:31 |

# EAST Search History

| S73 | 12 | S71 and ((((differ$4 or differential) near4 (pressure)) with purg$3) and (normal or standard or regular)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:32 |
| S74 | 4 | S71 and ((((differ$4 or differential) near4 (pressure)) with purg$3) and (((differ$4 or differential) near4 (pressure)) with (normal or standard or regular))) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:34 |
| S75 | 119 | ((((differ$4 or differential) near4 (pressure)) with purg$3) and (((differ$4 or differential) near4 (pressure)) with (normal or standard or regular))) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:40 |
| S76 | 8 | S75 and ("429".clas. or ((fuel or electrochemical) adj2 cell)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:44 |
| S77 | 12 | ((((differ$4 or differential) near4 (pressure)) with purg$3) and (((differ$4 or differential) near4 (pressure)) with (normal or standard or regular))) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 10:41 |
| S78 | 48 | ((((differ$4 or differential) near4 (pressure)) with purg$3) with (low or lower$3 or decreas$3)) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 10:44 |
| S81 | 1 | S78 and ((fuel or electrochemical) adj2 cell) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 12:28 |
| S82 | 247 | ((((differ$4 or differential) near4 (pressure)) with purg$3) with (low or lower$3 or decreas$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:44 |
| S83 | 10 | S82 and ("429".clas. or ((fuel or electrochemical) adj2 cell)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 10:44 |
| S84 | 11701 | shibata-S$.in. or urata-t$.in. or sugawara-y$.in. or umeda-t$.in. or morita-j$.in. or hatoh-k$.in. or kitano-y$.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/12/18 11:49 |
| S85 | 1260 | S84 and pressur$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/12/18 11:50 |
| S86 | 112 | S85 and (purg$3 or evacuat$3 or (shut adj2 (off or down))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/12/18 11:51 |
| S87 | 18 | S86 and ((fuel or electrochemical) adj2 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/12/18 11:51 |
| S88 | 1 | 2005-542330.NRAN. | DERWENT | OR | ON | 2007/12/18 11:53 |

| S89 | 1 | 2005-542330.NRAN. | DERWENT | OR | ON | 2007/12/18 11:54 |
|-----|---|-------------------|---------|----|----|-----------------|
| S90 | 2 | "20040038098" | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:29 |
| S91 | 1 | "20040247962" | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:30 |
| S92 | 1 | "20030134166" | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:30 |

| S93 | 56 | (US-20070077472-$ or US-20050191541-$ or US-20040137285-$ or US-20060141310-$ or US-20050175872-$ or US-20050164051-$ or US-20050142399-$ or US-20040142217-$ or US-20040062959-$ or US-20060051632-$ or US-20060008689-$ or US-20070218327-$ or US-20070207367-$ or US-20060236981-$ or US-20060099470-$ or US-20040247962-$ or US-20040038098-$ or US-20040115497-$ or US-20020177022-$ or US-20030012989-$ or US-20010049037-$ or US-20010014415-$ or US-20070243426-$ or US-20040081864-$ or US-20030134166-$ or US-20030148167-$).did. or (US-20020146602-$).did. or (US-5340663-$ or US-7282285-$ or US-5059494-$ or US-6656617-$ or US-5143035-$ or US-5570674-$ or US-7105243-$ or US-5758628-$).did. or (JP-2007149496-$ or JP-10281914-$ or JP-2006221970-$ or JP-2005267898-$ or JP-2002373682-$ or JP-04004571-$ or JP-01081177-$ or JP-01076679-$ or JP-62237674-$ or JP-04282567-$).did. or (EP-223684-$ or DE-3406988-$ or JP-2005267898-$ or WO-2005071781-$ or WO-2005062148-$ or JP-2005122920-$ or US-20040137285-$ or DE-10065458-$ or JP-05266907-$ or JP-04324252-$ or EP-107940-$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 12:31 |

| S94 | 26 | S93 and (inert or nitrogen) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 12:31 |
|---|---|---|---|---|---|---|
| S95 | 19 | S93 and ((inert or nitrogen) with (purg$3 or evacuat$3)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 12:45 |
| S96 | 4 | "20040009377" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/18 16:09 |
| S97 | 2 | ("5013617" or "5045414").pn. | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:45 |
| S98 | 2 | S97 and ((nitrogen or inert) with (purg$3 or evacuat$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:47 |
| S99 | 1483 | (fuel adj2 cell) and ((nitrogen or inert) with (purg$3 or evacuat$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:47 |
| S100 | 217 | (fuel adj2 cell) and (((nitrogen or inert) with (purg$3 or evacuat$3)) with (advantag$5 or improv$3 or increas$3 or better or prevent$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 13:01 |
| S101 | 265 | (fuel adj2 cell) and (((nitrogen or inert) with (purg$3 or evacuat$3 or start$3 or shut$3)) with (advantag$5 or improv$3 or increas$3 or better or prevent$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 13:01 |
| S102 | 50 | (fuel adj2 cell) and (((nitrogen or inert) with (purg$3 or evacuat$3 or start$3 or shut$3)) with (degrad$5)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 12:54 |
| S103 | 218 | S101 not S102 | US-PGPUB; USPAT | OR | ON | 2007/12/18 13:00 |
| S104 | 188 | (fuel adj2 cell) and (((nitrogen or inert) with (purg$3 or evacuat$3 or start$3 or shut$3)) with (advantag$5 or improv$3 or prevent$3)) | US-PGPUB; USPAT | OR | ON | 2007/12/18 13:01 |
| S105 | 82 | (fuel adj2 cell) and (((nitrogen or inert) with (purg$3 or evacuat$3 or start$3 or shut$3)) with (advantag$5 or improv$3 or prevent$3)) | EPO; JPO; DERWENT | OR | ON | 2007/12/18 14:56 |
| S106 | 1 | 2004-363094.NRAN. | DERWENT | OR | ON | 2007/12/18 13:40 |
| S107 | 2 | "20040038098" | US-PGPUB; USPAT | OR | ON | 2007/12/18 14:55 |

| S108 | 8 | S105 and steam | EPO; JPO; DERWENT | OR | ON | 2007/12/18 14:56 |
|------|---|----------------|-------------------|-----|-----|-------------------|
| S109 | 2 | "2002373682" | JPO; DERWENT | OR | ON | 2007/12/18 17:17 |
| S110 | 1 | "20030134166" | US-PGPUB; USPAT | OR | ON | 2007/12/18 17:17 |
| S111 | 3 | "20040009377" | US-PGPUB; USPAT | OR | ON | 2007/12/18 17:17 |
| S112 | 1 | "20050277010" | US-PGPUB; USPAT | OR | ON | 2007/12/18 17:18 |